

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 19, line 6, with the following rewritten paragraph:

Where n represents the winding number. Further, B_r [T] represents the residual magnetic flux density of the permanent magnet and μ_m represents the magnetic permeability thereof. Further, the respective magnetic resistance is expressed by following equations (6) to (15).

$$R_{g1} = \frac{-x_g + \ell_g}{(\beta - \theta)S_0\mu_0} \dots\dots\dots (6)$$

$$R_{m1} = \frac{\ell_m}{(\beta - \theta)S_0\mu_m} \dots\dots\dots (7)$$

$$R_{t1} = \frac{-x_g + \ell_g + \ell_m}{(\alpha - \beta + \theta)S_0\mu_0} \dots\dots\dots (8)$$

$$R_{g2} = \frac{-x_g + \ell_g}{(\beta + \theta)S_0\mu_0} \dots\dots\dots (9)$$

$$R_{m2} = \frac{\ell_m}{(\beta + \theta)S_0\mu_m} \dots\dots\dots (10)$$

$$R_{t2} = \frac{-x_g + \ell_g + \ell_m}{(\alpha - \beta - \theta)S_0\mu_0} \dots\dots\dots (11)$$

$$R'_{g1} = \frac{x_g + \ell_g}{(\beta - \theta)S_0\mu_0} \dots\dots\dots (12)$$

$$R'_{t1} = \frac{x_g + \ell_g + \ell_m}{(\alpha - \beta + \theta)S_0\mu_0} \dots\dots\dots (13)$$

$$R'_{g2} = \frac{x_g + \ell_g}{(\beta + \theta)S_0\mu_0} \dots\dots\dots (14)$$

$$R'_{t2} = \frac{x_g + \ell_g + \ell_m}{(\alpha - \beta - \theta)S_0\mu_0} \dots\dots\dots (15)$$

where $S_0 = (r_2^2 - r_1^2) \cdot [\mu_0] / 2$

is magnetic permeability of a vacuum.